

Title (en)

AUDIO SIGNAL PROCESSING DEVICE AND METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR AUDIOSIGNALVERARBEITUNG

Title (fr)

DISPOSITIF ET PROCÉDÉ DE TRAITEMENT DE SIGNAL AUDIO

Publication

**EP 3166107 B1 20181212 (EN)**

Application

**EP 15814179 A 20150622**

Priority

- JP 2014138351 A 20140704
- JP 2015067824 W 20150622

Abstract (en)

[origin: EP3166107A1] There is provided a signal processing device, comprising: a frequency detecting means that detects a frequency satisfying a predetermined condition from an audio signal; an offset means that gives an offset to the detected frequency by the frequency detecting means in accordance with a frequency property at the detected frequency or around the detected frequency; a reference signal generating means that generates a reference signal by extracting a signal from the audio signal based on the detected frequency offset by the offset means; an interpolation signal generating means that generates an interpolation signal based on the generated reference signal; and a signal synthesizing means that performs high band interpolation by synthesizing the generated interpolation signal and the audio signal.

IPC 8 full level

**G10L 21/0388** (2013.01); **G10L 21/0232** (2013.01)

CPC (source: EP US)

**G10L 21/0232** (2013.01 - EP US); **G10L 21/0332** (2013.01 - US); **G10L 21/0388** (2013.01 - EP US)

Cited by

DE102017009705A1; DE102017006980A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 3166107 A1 20170510; EP 3166107 A4 20180103; EP 3166107 B1 20181212**; CN 106663448 A 20170510; CN 106663448 B 20200929; JP 2016017982 A 20160201; JP 6401521 B2 20181010; US 10354675 B2 20190716; US 2017140774 A1 20170518; WO 2016002551 A1 20160107

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